

Amendments to the Claims:

This listing of claims will replace all prior variations and listings of claims in the application:

Listing of Claims:

What is claimed is:

1 1 (amended). An apparatus providing true geodetic coordinates of a target position using an
2 optical stereo image database comprising:
3 a portable personal computing device (PC) having means to accept input and
4 commands, means to output, a memory means, and means to display a set of optical
5 stereo images, side by side, from said optical stereo image database, comprising a first
6 image and a second image wherein said optical stereo image database is a Digital
7 Point Positioning Database (DPPDB); and,
8 a processor configured to maintain said optical stereo image database comprising at
9 least one set of said stereo images with corresponding geodetic data, and to execute a
10 process corresponding to said input and commands, said process comprising,
11 accepting input of geodetic coordinates of an own position (OP);

12 extracting the set of stereo images centered around said OP from said
13 stereo image database and storing said images in said memory means;
14 displaying said stereo images via said display means and displaying a
15 first marker corresponding to the OP on each of the first and second
16 images;
17 accepting input of target position (TGT) on said first stereo image and
18 displaying a second marker corresponding to the TGT on the first
19 image;
20 autocorrelating and displaying said second marker corresponding to the
21 TGT on said second stereo image;
22 receiving approval of the selection of TGT;
23 computing the true geodetic coordinates and elevation for the TGT
24 including correcting said geodetic data from the optical stereo image
25 database for local magnetic declination variance;
26 outputting the true geodetic coordinates, inclination and range of TGT.

1 2 (original). The apparatus of claim 1 wherein said portable personal computing device
2 comprises a Panasonic Toughbook TM or a Dell Inspiron TM.

1 3 (canceled)

1 4 (amended). The apparatus of claim 1 wherein said true geodetic coordinates of said own
2 position (OP) are obtained from said image database, ~~a Global Positioning System (GPS)~~
3 ~~receiver~~, an Advanced Targeting Forward Looking Radar (ATFLIR) image, a Low Altitude
4 Navigation and Targeting Infrared for Night (LANTIRN) pod, or the FalconView mapping
5 system.

1 5 (amended). The apparatus of claim 1 wherein said geodetic coordinates are in the World
2 Geodetic System 1984 (WGS-84), the ~~Military~~ Military Grid Reference System (MGRS), or
3 like reference system.

1 6 (original). The process of claim 1 wherein the process utilizes the Reference Point Method
2 (RPM) for correcting said geodetic data from the optical stereo image database for local
3 magnetic declination variance.

1 7 (amended). A method for providing true geodetic coordinates of a target position using an
2 optical stereo image database comprising:
3 providing a portable personal computing device (PC) having means to accept input and
4 commands, means to output, a memory means, and means to display a set of optical stereo
5 images, side by side, from said optical stereo image database, comprising a first image and a

6 second image wherein said optical stereo image database is a Digital Point Positioning
7 Database (DPPDB); and,

8 providing a processor configured to maintain a stereo image database comprising optical
9 stereo imagery with corresponding geodetic data, and to execute a process corresponding to
10 said input and commands, said process comprising,

11 accepting input of geodetic coordinates of an own position (OP);

12 extracting the set of stereo images centered around said OP from said stereo image
13 database and storing said images in said memory means;

14 displaying said stereo images via said display means and displaying a first marker
15 corresponding to the OP on each of the first and second images;

16 accepting input of target position (TGT) on said first stereo image and displaying a
17 second marker corresponding to the TGT on the first image;

18 autocorrelating and displaying said second marker corresponding to the TGT on said
19 second stereo image;

20 receiving approval of the selection of TGT;

21 computing the true geodetic coordinates and elevation for the TGT including

22 correcting said geodetic data from the optical stereo image database for local
23 magnetic declination variance;

24 outputting the true geodetic coordinates, inclination and range of TGT.

1 8 (original). The method of claim 7 wherein said portable personal computing device
2 comprises a Panasonic Toughbook TM or a Dell Inspiron TM.

1 9 (canceled)

1 10 (amended). The method of claim 7 wherein said true geodetic coordinates of said own
2 position (OP) are obtained from said image database, ~~a Global Positioning System (GPS)~~
3 ~~receiver~~, an Advanced Targeting Forward Looking Radar (ATFLIR) image, a Low Altitude
4 Navigation and Targeting Infrared for Night (LANTIRN) pod, or the FalconView mapping
5 system.

1 11 (amended). The method of claim 7 wherein said geodetic coordinates are in the World
2 Geodetic System 1984 (WGS-84), the ~~Military~~ Military Grid Reference System (MGRS), or
3 like reference system.

1 12 (original). The method of claim 7 wherein the process utilizes the Reference Point Method
2 (RPM) for correcting said geodetic data from the optical stereo image database for local
3 magnetic declination variance.

1 13 (amended). A computer program product, embodied on a computer readable medium, for
2 providing true geodetic coordinates of a target position using an optical stereo image database
3 comprising:

4 computer code embedded in a portable personal computer (PC) having a computer
5 program code causing said PC to interface with a user and with other electronic medium;
6 computer code for receiving input and commands and for outputting data;
7 computer code for displaying a set stereo images side by side, from said optical stereo image
8 database, comprising a first image and a second image wherein said optical stereo image
9 database is a Digital Point Positioning Database (DPPDB), said DPPDB consisting of a
10 stereo image based product having parametric support data, compressed reference graphics,
11 and high resolution optical imagery stereo pair sets each covering a 60 x 60 nautical mile
12 area;

13 computer code for configuring a processor to maintain said optical stereo image database
14 comprising at least one set of said stereo images with corresponding geodetic data;

15 and,

16 computer code to execute a process corresponding to said input and commands, said
17 process comprising,

18 accepting input of geodetic coordinates of an own position (OP);

19 extracting the set of stereo images centered around said OP from said stereo image

20 database and storing said images in said memory means;

20 displaying said stereo images via said display means and displaying a first marker
21 corresponding to the OP on each of the first and second images;
22 accepting input of target position (TGT) on said first stereo image and displaying a
23 second marker corresponding to the TGT on the first image;
24 autocorrelating and displaying said second marker corresponding to the TGT on said
25 second stereo image;
26 receiving approval of the selection of TGT;
27 computing the true geodetic coordinates and elevation for the TGT including
28 correcting said geodetic data from the optical stereo image database for local
29 magnetic declination variance;
30 outputting the true geodetic coordinates, inclination and range of TGT.

1 14 (original). The computer program product of claim 13 wherein said portable personal
2 computer (PC) comprises a Panasonic Toughbook TM or a Dell Inspiron TM.

1 15 (canceled)

1 16 (amended). The computer program product of claim 13 wherein said true geodetic
2 coordinates of said own position (OP) are obtained from said image database, ~~a Global~~
3 ~~Positioning System (GPS) receiver~~, an Advanced Targeting Forward Looking Radar

Appl. No. 10/816,578
Amdt. Dated January 8, 2008
Reply to Office action of March 31, 2008

4 (ATFLIR) image, a Low Altitude Navigation and Targeting Infrared for Night (LANTIRN)
5 pod, or the FalconView mapping system.

1 17 (amended). The computer program product of claim13 wherein said geodetic coordinates
2 are in the World Geodetic System 1984 (WGS-84), the ~~Military~~ Military Grid Reference
3 System (MGRS), or like reference system.

1 18 (original). The computer program product of claim13 wherein the process utilizes the
2 Reference Point Method (RPM) for correcting said geodetic data from the optical stereo
3 image database for local magnetic declination variance.